

Docket No. SA-534

Exhibit No. 2-P

NATIONAL TRANSPORTATION SAFETY BOARD

Washington, D.C.

PG&E SURVEY SHEETS
LINE 132

(12 Pages)

PIPELINE SURVEY SHEET

Line 132 MP: 17.3200 - 22.5880

Gas Transmission & Distribution

PIPE DATA																						
JOINT EFFICIENCY	1.000	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	1.000
GIRTH WELDS	ARC	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	ARC
LONG SEAMS	DSAW	<=>	<=>	DSAW	SMLS	SMLS	DSAW	DSAW	DSAW	DSAW	SMLS	DSAW	DSAW	SMLS	ERW	<=>	ERW	DSAW	<=>	<=>	<=>	DSAW
JOINT TYPE	BUTT	<=>	<=>	BUTT	BBCR	BBCR	BUTT	BUTT	BUTT	BBCR	BUTT	BUTT	BBCR	BUTT	<=>	<=>	<=>	<=>	<=>	<=>	<=>	BUTT
S.M.Y.S. (PSI)	45000	<=>	45000	60000	45000	45000	42000	<=>	42000	0	45000	<=>	<=>	<=>	52000	<=>	52000	42000	<=>	42000	<=>	45000
GRADE	GRB	<=>	GRB	X60	GRB	GRB	X42	<=>	X42	NA	GRB	<=>	<=>	<=>	GRB	X52	X52	X42	X42	X42	<=>	GRB
WALL THICKNESS	-0.281	<=>	-0.281	0.3125	-0.281	-0.281	0.344	<=>	0.344	NA	-0.281	<=>	<=>	<=>	-0.281	0.281	0.3125	0.3125	0.375	0.25	<=>	-0.281
SIZE (OD)	24	<=>	<=>	<=>	<=>	<=>	<=>	<=>	24	30	24	<=>	<=>	<=>	24	30	<=>	30	24	24	<=>	24
MANUFACTURER	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
*Design Pressure (PSIG)	400	<=>	<=>	<=>	<=>	<=>	<=>	<=>	400	NA	400	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	400
TEST DATA																						
DATE	NA	NA	NA	1/1/1988	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1/1/1967	<=>	1/1/1967	1/1/1974	1/1/1974	NA	NA
PRESSURE (PSIG)	NA	NA	NA	950	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1070	<=>	1070	904	904	NA	NA
TEST MEDIUM	NA	NA	NA	W	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	W	<=>	<=>	<=>	W	NA	NA	NA
TEST DURATION	NA	NA	NA	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14	<=>	14	NA	NA	NA	NA	NA
DEPTH OF COVER	4.0	<=>	<=>	<=>	<=>	4.0	NA	NA	NA	NA	NA	NA	NA	NA	3.0	4.0	4.0	5.0	5.0	4.0	NA	NA
MAOP (PSIG)	400	<=>	<=>	<=>	<=>	<=>	<=>	<=>	400	NA	400	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	400
OPERATING DATA																						
% SMYS AT MAOP	-37.9597	<=>	-37.9597	25.6	-37.9597	-37.9597	33.2226	<=>	33.2226	-9	-37.9597	<=>	<=>	<=>	-37.9597	32.8497	36.9231	36.9231	38.0952	45.7143	-37.9597	NA
MOP (PSIG)	375	<=>	<=>	<=>	<=>	<=>	<=>	<=>	375	NA	375	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	375
% SMYS AT MOP	-35.5872	<=>	-35.5872	24	-35.5872	-35.5872	31.1462	<=>	31.1462	NA	-35.5872	<=>	<=>	<=>	-35.5872	30.7966	34.6154	34.6154	35.7143	42.8571	-35.5872	NA
% SMYS Perm/Pres. Loc. Class	50	<=>	<=>	<=>	<=>	<=>	<=>	<=>	50	NA	50	<=>	<=>	<=>	50	60	<=>	<=>	<=>	60	50	NA
MAOP Dur. Welding Gas Standard	210.75	<=>	210.75	312.5	210.75	210.75	240.8	<=>	240.8	NA	210.75	<=>	<=>	<=>	210.75	243.5333	216.6667	216.6667	210	175	210.75	NA
PIPE Type	HAA	<=>	HAA	TAPE	HAA	<=>	<=>	<=>	HAA	NA	HAA	<=>	<=>	<=>	HAA	TAPE	<=>	<=>	<=>	TAPE	HAA	NA
COATING Condition	G	<=>	G	E	G	<=>	<=>	<=>	G	NA	G	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	G	NA
CLASS	3	<=>	3	3	3	<=>	<=>	<=>	3	NA	1	<=>	<=>	<=>	1	2	<=>	<=>	<=>	<=>	2	NA
NO. DWELLINGS	SUB	<=>	<=>	<=>	<=>	<=>	<=>	<=>	SUB	-	SUB	<=>	<=>	<=>	SUB	32	26	<=>	26	65	65	SUB
LOCATION DATA																						
G. M. NUMBER	85737	<=>	85737	4657367	85737	85737	145335	<=>	145335	85737	<=>	<=>	<=>	<=>	85737	165913	<=>	165913	183227	183227	85737	NA
YEAR INSTALLED	1/1/1947	<=>	1/1/1947	1/1/1988	1/1/1947	1/1/1947	1/1/1959	<=>	1/1/1959	1/1/1947	<=>	<=>	<=>	<=>	1/1/1947	1/1/1967	<=>	1/1/1967	1/1/1974	1/1/1974	1/1/1947	1/1/1947
UPGRADE JOB	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FOOTAGE	1157	1857	967	16	2053	94	56	177	347	170	4989	3011	370	273	704	2574	19	1723	2080	605	16	5585
PIPE SEGMENT NO.	150	150.4	151	151.2	151.6	151.8	152	152.5	152.8	152C	153	153.1	153.3	154	154.5	155	155.3	156	157	158	158.3	160
ROUTE NO.	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
FINAL STATIONS FROM TRANSMISSION LINE PLATS	91407	93388	91407	93388	91407	93388	93388	93388	93388	93388	93388	93388	93388	93388	93388	93388	93388	93388	93388	93388	93388	93388
APPROXIMATE MILE POINT	17.3200	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379	17.5379



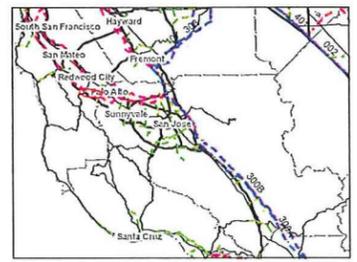
Class Location Buffer

- Unknown
- Class 1
- Class 2
- Class 3
- Class 4
- Class 9

Legend:

- Backbone
- Local Transmission
- Gathering
- Distribution Feeder Main
- Underground Storage
- Deactivated
- Distribution
- Foreign
- PLSS Pipeline with Data
- Pipeline Segment Node
- Pipeline Casing
- Stations with Operating Diagrams
- Stations without Operating Diagrams
- Cathodic Protection - Anode
- Cathodic Protection - ETS
- Cathodic Protection - Rectifier
- Cathodic Protection - Coupon
- Main Line Valves
- Valves
- Pressure Control Fitting (PCF)
- Leaks

1 inch equals 1,000 feet (approx.)
 <=> indicates continuous data

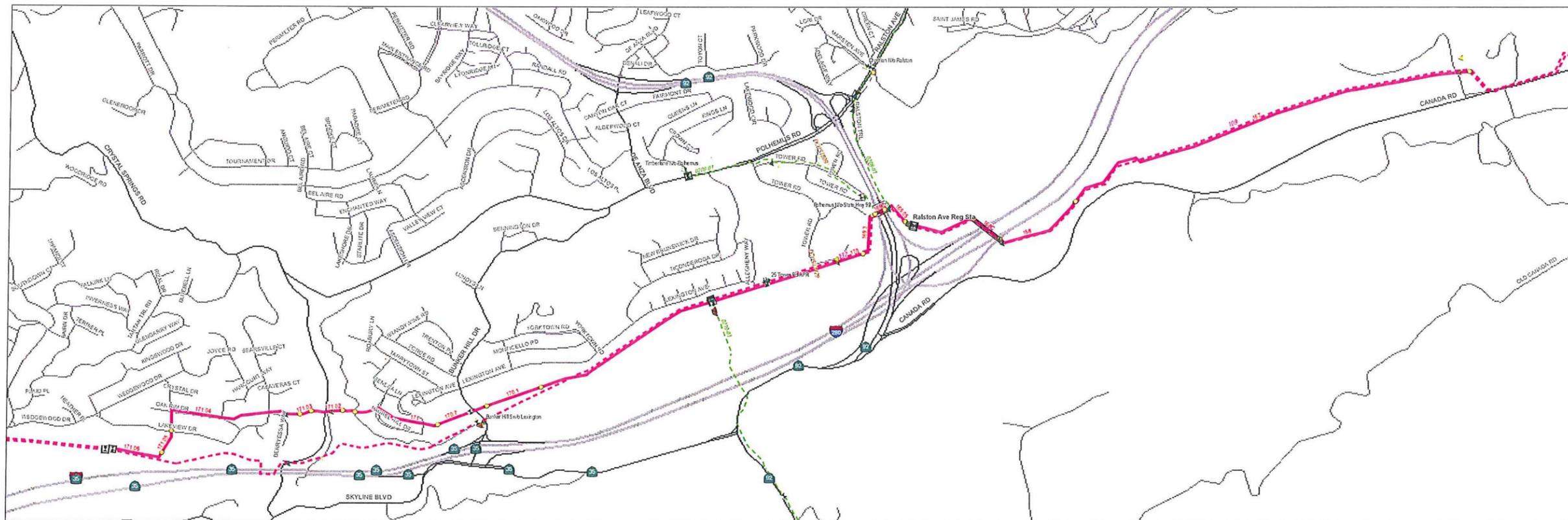


PIPELINE SURVEY SHEET

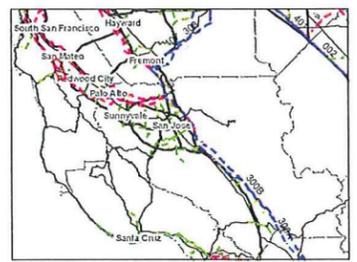
Line 132 MP: 26.9500 - 31.93

Gas Transmission & Distribution

PIPE DATA		PIPE DATA																			
JOINT EFFICIENCY	1.000	<=>	<=>	1.000	NA	1.000	<=>	<=>	1.000	NA	1.000	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	1.000
GIRTH WELDS	ARC	<=>	<=>	ARC	NA	ARC	<=>	<=>	ARC	NA	ARC	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	ARC
LONG SEAMS	SMLS	DSAW	<=>	DSAW	NA	DSAW	<=>	<=>	DSAW	NA	DSAW	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	DSAW
JOINT TYPE	BBCR	BUTT	<=>	BUTT	NA	BUTT	<=>	<=>	BUTT	NA	BUTT	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	BUTT
S.M.Y.S. (PSI)	45000	52000	<=>	52000	0	52000	<=>	<=>	52000	0	52000	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	52000
GRADE	GRB	X52	X52	X42	NA	X52	<=>	<=>	X52	NA	X52	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	X52
WALL THICKNESS	-0.281	0.3125	0.3125	0.5	NA	0.3125	<=>	<=>	0.3125	NA	0.375	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	0.375
SIZE (OD)	24	24	30	30	36	30	<=>	<=>	30	36	30	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	30
MANUFACTURER	NA	NA	NA	NA	NA	NA	<=>	<=>	NA	NA	NA	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	NA
Design Pressure (PSIG)	400	<=>	<=>	400	NA	400	<=>	<=>	400	0	400	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	400
DATE	NA	1/1/1971	<=>	1/1/1971	NA	1/1/1971	<=>	<=>	1/1/1971	NA	NA	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	1/1/1971
PRESSURE (PSIG)	NA	905	905	NA	NA	905	<=>	<=>	905	NA	NA	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	905
TEST MEDIUM	NA	W	<=>	W	NA	W	<=>	<=>	W	NA	NA	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	W
TEST DURATION	NA	17	17	NA	NA	17	<=>	<=>	17	NA	NA	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	17
DEPTH OF COVER	NA	2.5	3.5	NA	NA	NA	<=>	<=>	NA	NA	NA	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	NA
MAOP (PSIG)	400	<=>	<=>	400	NA	400	<=>	<=>	400	NA	400	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	400
% SMYS AT MAOP	-37.9597	29.5385	36.9231	28.5714	-9	36.9231	<=>	<=>	36.9231	-9	30.7692	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	30.7692
MOP (PSIG)	375	<=>	<=>	375	NA	375	<=>	<=>	375	NA	375	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	375
% SMYS AT MOP	-35.5872	27.6923	34.6154	26.7857	NA	34.6154	<=>	<=>	34.6154	NA	28.8462	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	28.8462
% SMYS Perm/Plas. Loc. Class	1	<=>	<=>	1	50	0	<=>	<=>	50	0	50	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	50
MAOP Dur. Welding	375	<=>	<=>	375	NA	375	<=>	<=>	375	NA	375	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	375
Gas Standard A-65	210.75	270.8333	216.6667	280	NA	216.6667	<=>	<=>	216.6667	NA	280	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	280
PIPE COATING	HAA	TAPE	<=>	TAPE	NA	TAPE	<=>	<=>	HAA	HAA	TAPE	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	HAA
CLASS	As Built	1	3	<=>	3	NA	<=>	<=>	3	NA	1	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	2
Present No. Dwellings	1	2	2	3	NA	3	<=>	<=>	3	NA	3	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	3
G.M. NUMBER	85737	174745	<=>	<=>	<=>	<=>	<=>	<=>	174745	98015	98015	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	98015
YEAR INSTALLED	1/1/1947	1/1/1971	<=>	<=>	<=>	<=>	<=>	<=>	1/1/1971	1/1/1948	1/1/1948	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	1/1/1948
UPGRADE JOB	NA	NA	NA	NA	NA	NA	<=>	<=>	NA	NA	NA	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	<=>	NA
FOOTAGE	7615	7	3211	69	575	136	480	240	746	250	6089	978	12	896	1544	243	567	2629	423	1002	13
PIPE SEGMENT NO.	167	167.3	168	168.6	169C	169	169.05	169.1	169.3	169C	170	170.1	170.3	170.7	171	171.01	171.02	171.03	171.04	171.05	171.1
ROUTE NO.	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132	132
FINAL STATIONS FROM TRANSMISSION LINE PLATS	1482760142270	148885	148885	148892	148892	151103	153184	153463	153463	153463	1555550163985	1555550163985	1555550163985	1555550163985	1555550163985	1555550163985	1555550163985	1555550163985	1555550163985	1555550163985	1555550163985
APPROXIMATE MILE POINT	26.9500	28.3900	28.3900	28.3900	28.3900	29.05	29.0500	29.0600	29.0600	29.0600	29.1900	29.1900	29.2300	29.2700	30.3436	30.3436	30.5	30.5	30.5	30.5	30.5



- Class Location Buffer**
- Unknown
 - Class 1
 - Class 2
 - Class 3
 - Class 4
 - Class 9
- Legend:**
- Backbone
 - Local Transmission
 - Gathering
 - Distribution Feeder Main
 - Underground Storage
 - Deactivated
 - Distribution
 - Foreign
 - PLSS Pipeline with Data
 - Pipeline Segment Node
 - Pipeline Casing
 - Stations with Operating Diagrams
 - Stations without Operating Diagrams
 - Cathodic Protection - Anode
 - Cathodic Protection - ETS
 - Cathodic Protection - Rectifier
 - Cathodic Protection - Coupon
 - Main Line Valves
 - Valves
 - Pressure Control Fitting (PCF)
 - Leaks



PIPELINE SURVEY SHEET

Line 132 MP: 51.3900 - 51.5300

Gas Transmission & Distribution

PIPE DATA			
JOINT EFFICIENCY	NA	0.800	0.800
GIRTH WELDS	NA	ARC	ARC
LONG SEAMS	NA	SSAW	SSAW
JOINT TYPE	NA	BBCR	BBCR
S.M.Y.S. (PSI)	0	39000	39000
GRADE	NA	PG&E SPEC	PG&E SPEC
WALL THICKNESS	NA	0.281	0.281
SIZE (OD)	30	24	24
MANUFACTURER	NA	WESTERN	WESTERN
Design Pressure (PSIG)	NA	275	275
TEST DATA			
DATE	1/1/1955	1/1/1948	1/1/1948
PRESSURE (PSIG)	NA	NA	NA
TEST MEDIUM	NA	G	G
TEST DURATION	NA	NA	NA
DEPTH OF COVER	5	NA	NA
MAOP (PSIG)	NA	145	145
% SMYS AT MAOP	-9	19.8467	19.8467
MOP (PSIG)	NA	145	145
% SMYS AT MOP	NA	19.8467	19.8467
% SMYS Perm/Pres. Loc. Class	50	<->	50
MAOP Dur. Welding	PAR. A	NA	145
Gas Standard	PAR. B	NA	145
PIPE Type	NA	HAA	HAA
COATING Condition	NA	G	G
CLASS	As Built	3	<->
	Present	3	<->
	No. Dwellings	IND	<->
		IND	<->
G.M. NUMBER	426372	98015	98015
YEAR INSTALLED	1/1/1965	12/6/1948	12/6/1948
UPGRADE JOB	NA	NA	NA
FOOTAGE	145	398	186
PIPE SEGMENT NO.	207.3C	208	209
ROUTE NO.	132	132	132
LOCATION DATA			
FINAL STATIONS FROM TRANSMISSION LINE PLATS			
APPROXIMATE MILE POINT	51.3900	51.4200	51.4900
	51.4200	51.4900	51.5300



- Class Location Buffer**
- Unknown
 - Class 1
 - Class 2
 - Class 3
 - Class 4
 - Class 9
- Backbone**
 - Local Transmission**
 - Gathering**
 - Distribution Feeder Main**
 - Underground Storage**
 - Deactivated**
 - Distribution**
 - Foreign**
 - PLSS Pipeline with Data**
 - Pipeline Segment Node**
 - Pipeline Casing**
 - Stations with Operating Diagrams**
 - Stations without Operating Diagrams**
 - Cathodic Protection - Anode**
 - Cathodic Protection - ETS**
 - Cathodic Protection - Rectifier**
 - Cathodic Protection - Coupon**
 - Main Line Valves**
 - Valves**
 - Pressure Control Fitting (PCF)**
 - Leaks**

1 inch equals 1,000 feet (approx.)
 <-> indicates continuous data

